

|            |  |                               |               |
|------------|--|-------------------------------|---------------|
| BRS 110    | present adj state\$1   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:12 |
| BRS 7233   | next adj state\$1  | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:03 |
| BRS 6267   | trellis  | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:03 |
| BRS 212276 | node\$1  | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:03 |
| BRS 0      | ((present adj state\$1) same (next adj state\$1) same trellis same node\$1                                 | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:04 |
| BRS 18     | ((next adj state\$1) same trellis same node\$1   | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:04 |
| BRS 9      | ((next adj state\$1) same trellis same node\$1) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:12 |
| BRS 31816  | current adj state\$1   | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:09 |
| BRS 929    | ((next adj state\$1) with (current adj state\$1))  | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:12 |
| BRS 58     | ((next adj state\$1) with (current adj state\$1)) same trellis   | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:12 |
| BRS 36     | ((next adj state\$1) with (current adj state\$1)) same trellis and @ad<19990809                            | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:19 |
| BRS 0      | ((next adj state\$1) with (current adj state\$1)) same trellis same gray                                   | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:15 |
| BRS 1      | ((next adj state\$1) with (current adj state\$1)) same gray  | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:18 |
|            | ("5050069"   "5138637"   "5440691"   "5444847"   "5822777"   "5960468"   "6161160"   "6230219"   "6269413" |                               |               |
| BRS 11     | "6279077"   "6304936".PN.  | USPAT                         | 7/29/03 12:16 |
| BRS 2      | 6304936.URPN.  | USPAT                         | 7/29/03 12:16 |
| BRS 147    | gray with one with bit with next   | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:18 |
| BRS 96     | ((gray with one with bit with next) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:20 |
| BRS 0      | ((gray with one with bit with next) same trellis   | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:20 |
| BRS 1      | ((gray with one with bit with next) and trellis  | USPAT; US-PGPUB; EPO; DERWENT | 7/29/03 12:20 |
| BRS 1524   | mlse or (maximum near2 likelihood near2 sequence\$1)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:52 |
| BRS 6424   | trellis  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:39 |
| BRS 621    | ((mlse or (maximum near2 likelihood near2 sequence\$1)) and trellis  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:52 |
| BRS 146    | ((mlse or (maximum near2 likelihood near2 sequence\$1)) and trellis and next near2 state                   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:48 |
|            | @ad<19990809   |                               |               |
| BRS 106    | (((((mlse or (maximum near2 likelihood near2 sequence\$1)) and trellis and next near2 state) and           | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:41 |
|            | @ad<19990809) and (gray or gray)   |                               |               |
| BRS 9      | neaxt near2 state\$1   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:40 |
| BRS 0      | next near2 state\$1  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:41 |
| BRS 18291  | gray near2 cod\$3  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:41 |
| BRS 4498   | ((next near2 state\$1) same (gray near2 cod\$3))   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:56 |
| BRS 56     | ((next near2 state\$1) same (gray near2 cod\$3)) and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:41 |
| BRS 49     | ((next near2 state\$1) same (gray near2 cod\$3)) and @ad<19990809 and (mlse or (maximum near2              | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:48 |
|            | likelihood near2 sequence\$1))   |                               |               |
| BRS 0      | ((next near2 state\$1) same (gray near2 cod\$3)) and @ad<19990809 and trellis                              | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:44 |
| BRS 4      | chang\$3 same next near2 state   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:44 |
| BRS 3445   |  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:00 |
| BRS 17     | ((mlse or (maximum near2 likelihood near2 sequence\$1)) and trellis and (chang\$3 same next near2 state)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:52 |
|            | ((mlse or (maximum near2 likelihood near2 sequence\$1)) and trellis and (chang\$3 same next near2 state))  |                               |               |
| BRS 13     | and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:53 |
| BRS 7065   | mlse or (maximum near2 likelihood)   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:16 |
| BRS 1430   | ((mlse or (maximum near2 likelihood)) and trellis  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:52 |
| BRS 45     | ((mlse or (maximum near2 likelihood)) and trellis and (chang\$3 same next near2 state)                     | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:52 |
|            | ((mlse or (maximum near2 likelihood)) and trellis and (chang\$3 same next near2 state)) and                |                               |               |
| BRS 4      | @ad<19990809 and (gray near2 cod\$3)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:53 |
|            | (((((mlse or (maximum near2 likelihood)) and trellis and (chang\$3 same next near2 state)) and             |                               |               |
|            | @ad<19990809) and (gray near2 cod\$3)) not (((next near2 state\$1) same (gray near2 cod\$3)) and           |                               |               |
| BRS 0      | @ad<19990809) and trellis)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:53 |
| BRS 29     | ((mlse or (maximum near2 likelihood)) and trellis and (chang\$3 same next near2 state)) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 18:56 |
| BRS 74     | gray same trellis  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:15 |
| BRS 37     | ((gray same trellis) and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:00 |
| BRS 41     | chang\$3 same next near2 state with one near3 bit  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:00 |
| BRS 39     | ((chang\$3 same next near2 state with one near3 bit) and @ad<19990809                                      | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:12 |
| BRS 1      | 5687352.pn. and maximum  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:05 |
| BRS 0      | 5687352.pn. and likelihood   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:03 |
|            | ((chang\$3 same next near2 state with one near3 bit) and @ad<19990809) and (mlse or (maximum near2         |                               |               |
| BRS 1      | likelihood))   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:06 |
| BRS 38     | ((mlse or (maximum near2 likelihood)) same gray  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:06 |
| BRS 19     | ((mlse or (maximum near2 likelihood)) same gray) and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:13 |
| BRS 1      | ((mlse or (maximum near2 likelihood)) and (chang\$3 same next near2 state with one near3 bit)              | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:13 |
| BRS 140    | ((mlse or (maximum near2 likelihood near2 sequence\$1)) same advantag\$6                                   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:14 |
| BRS 93     | ((mlse or (maximum near2 likelihood near2 sequence\$1)) same advantag\$6) and @ad<19990809                 | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:14 |
| BRS 68     | ((mlse or (maximum near2 likelihood near2 sequence\$1)) with advantag\$6                                   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:14 |
| BRS 49     | ((mlse or (maximum near2 likelihood near2 sequence\$1)) with advantag\$6) and @ad<19990809                 | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:15 |
| BRS 800    | ((mlse or (maximum near2 likelihood)) same trellis   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:15 |
| BRS 565    | ((mlse or (maximum near2 likelihood)) with trellis   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:15 |
| BRS 11     | ((mlse or (maximum near2 likelihood)) with trellis same next near2 state                                   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:15 |
| BRS 8      | ((mlse or (maximum near2 likelihood)) with trellis same next near2 state) and @ad<19990809                 | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:16 |
| BRS 50891  | ((initial or present) near3 state  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:41 |
| BRS 37     | ((initial or present) near3 state) near2 mask  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:32 |
| BRS 0      | ((initial or present) near3 state) near2 mask) same polarity   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:32 |
| BRS 710    | ((initial or present) near3 state) same polarity   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:33 |
| BRS 2      | ((initial or present) near3 state) same polarity) same care  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:36 |
| BRS 6555   | don't care   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:46 |
| BRS 5      | don't care with polarity   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:37 |
| BRS 50563  | ((initial ) near3 state  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:41 |
| BRS 117    | valid near3 ((initial or present) near3 state)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:41 |
| BRS 28     | invalid near3 ((initial or present) near3 state)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:41 |
| BRS 7065   | mlse or (maximum near2 likelihood)   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:12 |
| BRS 61     | survivor near3 bit\$1  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:44 |
| BRS 24844  | metric   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 19:44 |
| BRS 11090  | final near3 state  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:32 |
| BRS 188    | stor\$3 near3 survivor\$1  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:33 |

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| BRS | 101   | (stor\$3 near3 survivor\$1) same metric  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:33 |
| BRS | 80    | ((stor\$3 near3 survivor\$1) same metric) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:38 |
| BRS | 59    | ((stor\$3 near3 survivor\$1) same metric) and @ad<19990809) and (mlse or (maximum near2 likelihood) )  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:34 |
| BRS | 28    | ((stor\$3 near3 survivor\$1) same metric) and @ad<19990809) and (mlse or (maximum near2 likelihood) )  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:37 |
| BRS | 19    | and trace\$  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:38 |
|     |       | branch near3 metric\$1 with ((pre-comput\$4) or (pre adj comput\$4) or precomput\$4)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:38 |
| BRS | 9     | (branch near3 metric\$1 with ((pre-comput\$4) or (pre adj comput\$4) or precomput\$4)) and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:45 |
| BRS | 2     | prior near3 knowledge with trellis   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:44 |
| BRS | 16    | prior near3 knowledge same (mlse or (maximum near2 likelihood) )   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:46 |
| BRS | 10    | (prior near3 knowledge same (mlse or (maximum near2 likelihood) ) ) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:46 |
| BRS | 21    | prior near3 knowledge same initial near3 state   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:47 |
| BRS | 11    | (prior near3 knowledge same initial near3 state) and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:49 |
| BRS | 439   | (mlse or (maximum near2 likelihood) ) and initial near3 state  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:48 |
| BRS | 19    | ((soft near2 decision\$1) or aprior\$3) same initial near3 state   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:48 |
|     |       | ((stor\$3 near3 survivor\$1) same metric) and @ad<19990809) and (mlse or (maximum near2 likelihood) )  |                               |               |
| BRS | 901   | anf trace\$) and (mlse or (maximum near2 likelihood) )   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:48 |
| BRS | 5     | ((soft near2 decision\$1) or aprior\$3) same initial near3 state) and (mlse or (maximum near2 likelihood) )  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:48 |
| BRS | 4     | ((soft near2 decision\$1) or aprior\$3) same initial near3 state) and (mlse or (maximum near2 likelihood) ) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:53 |
|     |       | ((soft near2 decision\$1) or aprior\$3) same initial near3 state) and (mlse or (maximum near2 likelihood) )  |                               |               |
| BRS | 4     | and @ad<19990809) and initial  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:52 |
| BRS | 0     | soft near3 decision\$1 same partial near3 path near4 metric\$1   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:53 |
| BRS | 5     | soft near3 decision\$1 same partial near3 path near4 metric\$1   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:54 |
| BRS | 5     | (soft near3 decision\$1 same partial near3 path near4 metric\$1) and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:53 |
| BRS | 5     | advantag\$5 same partial near3 path near4 metric\$1  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 20:55 |
| BRS | 0     | (initial near3 state same ("don't care" or "don't cares")) and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:43 |
| BRS | 56    | initial near3 state same ("don't care" or "don't cares")   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:46 |
| BRS | 7056  | mlse or (maximum near2 likelihood)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:47 |
| BRS | 0     | (mlse or (maximum near2 likelihood)) and ("don't care" or "don't cares")   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:46 |
| BRS | 24    | don't care   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:46 |
| BRS | 0     | don't cares  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:46 |
| BRS | 6555  | don't care   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:47 |
| BRS | 657   | don't cares  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:47 |
| BRS | 6866  | don't care or "don't cares"  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:47 |
| BRS | 2     | ("don't care" or "don't cares") and mlse   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:47 |
| BRS | 7065  | mlse or (maximum near2 likelihood)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:48 |
| BRS | 53345 | initial near3 state\$1   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:50 |
| BRS | 473   | (mlse or (maximum near2 likelihood) ) and (initial near3 state\$1)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:48 |
| BRS | 3504  | (initial near3 state\$1) near6 (register\$1 or mask\$1 or list\$1 or memor\$3)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:49 |
|     |       | ((mlse or (maximum near2 likelihood) ) and (initial near3 state\$1)) and ((initial near3 state\$1) near6 (register\$1 or mask\$1 or list\$1 or memor\$3))                  |                               |               |
| BRS | 73    | ((mlse or (maximum near2 likelihood) ) and (initial near3 state\$1)) and ((initial near3 state\$1) near6 (register\$1 or mask\$1 or list\$1 or memor\$3))                  | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:49 |
| BRS | 52    | ((mlse or (maximum near2 likelihood) ) and (initial near3 state\$1)) and ((initial near3 state\$1) near6 (register\$1 or mask\$1 or list\$1 or memor\$3)) and @ad<19990809 | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:51 |
| BRS | 6517  | (determin\$4 or calculat\$4 or generat\$4) with (initial near3 state\$1)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:53 |
|     |       | ((mlse or (maximum near2 likelihood) ) and ((determin\$4 or calculat\$4 or generat\$4) with (initial near3 state\$1))) and @ad<19990809                                    |                               |               |
| BRS | 1     | state\$1))) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:52 |
| BRS | 131   | (mlse or (maximum near2 likelihood) ) and ((determin\$4 or calculat\$4 or generat\$4) with (initial near3 state\$1))   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:52 |
| BRS | 43    | (determin\$4 or calculat\$4 or generat\$4) with (initial near3 state\$1) with (valid or invalid)   | USPAT; US-PGPUB; EPO; DERWENT | 9/27/03 22:56 |
| BRS | 2     | 20030026197  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 14:51 |
| BRS | 2     | 20030026197  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 14:51 |
| BRS | 2     | 20030026197  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 14:52 |
| BRS | 2     | 20030026196  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 14:52 |
| BRS | 0     | . 6408420.pn. and partial  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 16:57 |
| BRS | 0     | 6408420.pn. and partial  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 16:58 |
| BRS | 2     | 6408420.pn. and likelihood   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 16:58 |
| BRS | 1     | 6408420.pn. and maximum  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:03 |
| BRS | 1     | 6408420.pn. and trellis  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:15 |
| BRS | 298   | state near3 transition\$1 near3 probabilities  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:15 |
| BRS | 114   | state adj transition\$1 adj probabilities  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:15 |
| BRS | 79    | (state adj transition\$1 adj probabilities) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:53 |
| BRS | 7066  | mlse or (maximum near2 likelihood)   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:16 |
| BRS | 31    | ((state adj transition\$1 adj probabilities) and @ad<19990809) and (mlse or (maximum near2 likelihood) )   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:23 |
| BRS | 2     | 5502735.pn.  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:23 |
| BRS | 1     | 5502735.pn. and trace\$  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:42 |
| BRS | 1     | 5502735.pn. and (prior\$ or soft\$)  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:10 |
| BRS | 1     | 5502735.pn. and initial  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:30 |
| BRS | 1     | 5502735.pn. and branch   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:30 |
| BRS | 1     | 5502735.pn. and (prior\$)  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:54 |
| BRS | 282   | branch with real near2 time  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:54 |
| BRS | 9     | branch near3 metric with real near2 time   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 17:54 |
| BRS | 8     | (branch near3 metric with real near2 time) and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:17 |
| BRS | 1     | 5502735.pn. and (partial same soft\$)  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:16 |
| BRS | 0     | 5502735.pn. and (real)   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:16 |
| BRS | 1     | ((branch near3 metric with real near2 time) and @ad<19990809) and 5440588.pn.  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:17 |
| BRS | 1     | ((branch near3 metric with real near2 time) and @ad<19990809) and 5440588.pn.) and real  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:25 |
| BRS | 0     | 5721746.pn. and final  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:37 |
| BRS | 1     | 5721746.pn. and register\$1  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:37 |
| BRS | 1     | 5502735.pn. and final\$  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:42 |
| BRS | 1     | (prior near3 knowledge same final near3 state\$1) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:50 |

|      |       |  |                               |               |
|------|-------|--|-------------------------------|---------------|
| BRS  | 12232 | ((prior near3 knowledge same final near3 state\$1) and @ad<19990809) and (prior near3 knowledge) or (final near3 state\$1)   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:51 |
| BRS  | 1     | ((prior near3 knowledge same final near3 state\$1) and @ad<19990809) and ((prior near3 knowledge) or (final near3 state\$1)) | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:53 |
| BRS  | 9124  | prior near3 knowledge  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:53 |
| BRS  | 487   | (prior near3 knowledge) same state\$1  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:53 |
| BRS  | 11    | ((prior near3 knowledge) same state\$1) and (likelihood or viterbi)  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:55 |
| BRS  | 8     | ((prior near3 knowledge) same state\$1) and (likelihood or viterbi)) and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:18 |
| BRS  | 9     | ((prior near3 knowledge) same state\$1) same valid   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:55 |
| BRS  | 4     | ((prior near3 knowledge) same state\$1) same valid and @ad<19990809  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 18:56 |
| BRS  | 3     | trellis same initial same path\$1 same valid   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:07 |
| IS&R | 10    | ((("5502735") or ("6035428") or ("5687352") or ("5440588") or ("5721746"))).PN.  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:07 |
| BRS  | 7066  | mlse or (maximum near2 likelihood)   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:12 |
| IS&R | 3049  | (375/341,340,316,324).CCLS.  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:12 |
| BRS  | 724   | (mlse or (maximum near2 likelihood)) and ((375/341,340,316,324).CCLS.)   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:13 |
| BRS  | 127   | ((mlse or (maximum near2 likelihood)) and ((375/341,340,316,324).CCLS.)) and valid   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:13 |
| BRS  | 90    | ((mlse or (maximum near2 likelihood)) and ((375/341,340,316,324).CCLS.)) and valid and @ad<19990809                          | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:17 |
| BRS  | 33    | ((mlse or (maximum near2 likelihood)) and ((375/341,340,316,324).CCLS.)) and valid with state\$1                             | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:13 |
|      |       | ((mlse or (maximum near2 likelihood)) and ((375/341,340,316,324).CCLS.)) and valid with state\$1) and @ad<19990809           | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:16 |
| BRS  | 19    | final near4 state\$1 with apriori  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:16 |
| BRS  | 0     | apriori  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:17 |
| BRS  | 945   | state\$1 same apriori  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:17 |
| BRS  | 81    | (state\$1 same apriori) and @ad<19990809   | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:17 |
| BRS  | 56    | ((apriori near3 knowledge) same state\$1) and (likelihood or viterbi)) and @ad<19990809                                      | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:17 |
| BRS  | 0     |  | USPAT; US-PGPUB; EPO; DERWENT | 9/28/03 19:19 |